Project Audit

Project:

ChompAnts

March 7, 2022

Overview

This audit has been prepared for **ChompAnts** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point::

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	ChompAnts
Ticker	CHANT
Contract	0xD51cD0686AEEE2Df1C02E39712e61dCc5e9ffe99
Network	Binance Smart Chain
Language	Solidity
Tax	**Buy: 8%** **Sell: 8%**
Total Supply	100,000,000
Status	Not launched yet

Current Stats

Burn	No tokens burn
LP Address	No liquidity added yet
Liquidity	No liquidity added yet
MaxTxAmount	No limit

Smart Contract Statistics

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	100000000 CHANT
Median Transfer Amount	100000000 CHANT
Average Transfer Amount	100000000 CHANT
First transfer date	2022-02-21
Last transfer date	2022-02-21
Days token transfered	1

Featured Wallets

Owner Address	0x33a96813Ae75DeCA2b302B542eDd6F20064E2abc
Transaction fee address	0xABd07E68cA43D0777ec50a42c3744BF4e581d8aF
LP token address	No liquidity added yet

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner

Tokens not distributed yet

Issues Checking Status	
Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

Security Threats (Low Risk)

Owner can change buy/sell fees up to 10% (combined buy+sell=20%)

```solidity
uint256 public constant maxTransactionFeeRate = 1000; // 10%

function changeTransactionFeeRate(uint256 _transactionFeeRate) external onlyOwner {
    if(_transactionFeeRate <= maxTransactionFeeRate){
        transactionFeeRate = _transactionFeeRate;
        emit ChangedTransactionFeeRate(_transactionFeeRate);
    }
}


uint256 transactionFeeAmount = 0;
if(transactionFeeEnabled == true && isExemptFromFee == false){
    transactionFeeAmount = ( amount * transactionFeeRate ) / 10000;
}
```

Owner can blacklist address (using Pinksale's antibot system)

```solidity
function enableAntiBot() external onlyOwner {
    antiBotEnabled = true;
    emit EnabledAntiBot();
}
```

Owner can change the contract address of AntiBot

```solidity
function changeAntiBotContractAddress(address _newContractAddress) external onlyOwner {
    pinkAntiBot = IPinkAntiBot(_newContractAddress);
    emit ChangedAntiBotContractAddress(_newContractAddress);
}
```

Chomp Ants
Project & Team Review

According to their whitepaper, Chompants will be a play-to-earn ecosystem that lets you collect, battle and breed ant-like creatures called ChompAnts. There will be three tokens in the Chompant economy: $CHANT, $MOR, and $ROYAL. $CHANT is the main governance token of the game. $MOR is a token required for breeding and feeding Chompants. And $ROYAL represents king and queen Chompant NFTs. Along with the game development, there also be marketplace developed to trade and lend your NFTs.

Team:

KYC by SpyWolf

Tokenomics

Distribution according to whitepaper

Public sale: 10%
Dex liquidity: 5%
Play to earn: 25%
Staking rewards: 25%
Coin chomp: 25%
Liquidity reserve: 10%

Liquidity Reserve
10.0%

Public Sale
10.0%

DEX Liquidity
5.0%

Coin Chomp
25.0%

Play to Earn
25.0%

Staking Rewards
25.0%
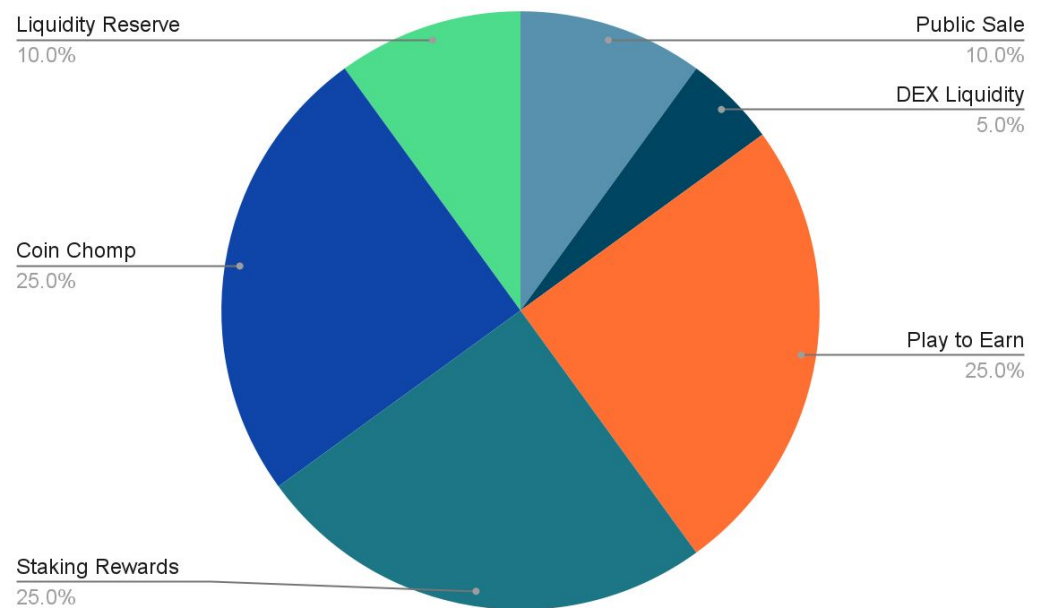
Current state ⚠️

Tokens are not distributed yet. Owner hold 100% of total supply.

Website Analysis

URL: https://chompants.com

- **Design:** Very nice color scheme and overall layout.
- **Content:** The information helps new investors understand what the product does right away. No grammar errors found.
- **Whitepaper:** Very well written and explanatory.
- **Roadmap:** Goals set for 1 year a head with time frames.
- **Mobile-friendly?** Yes
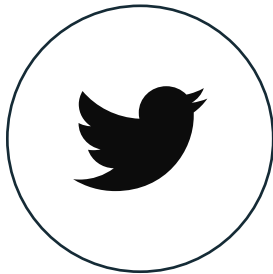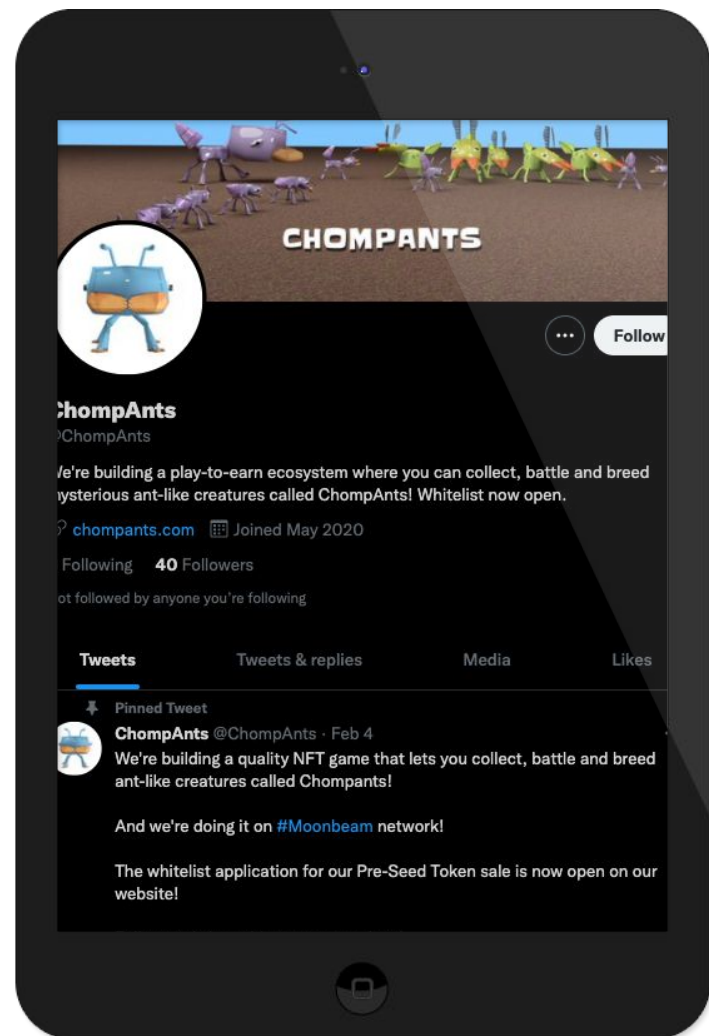- **Technical:** SSL certificate present. General SEO check passed.

chompants.com
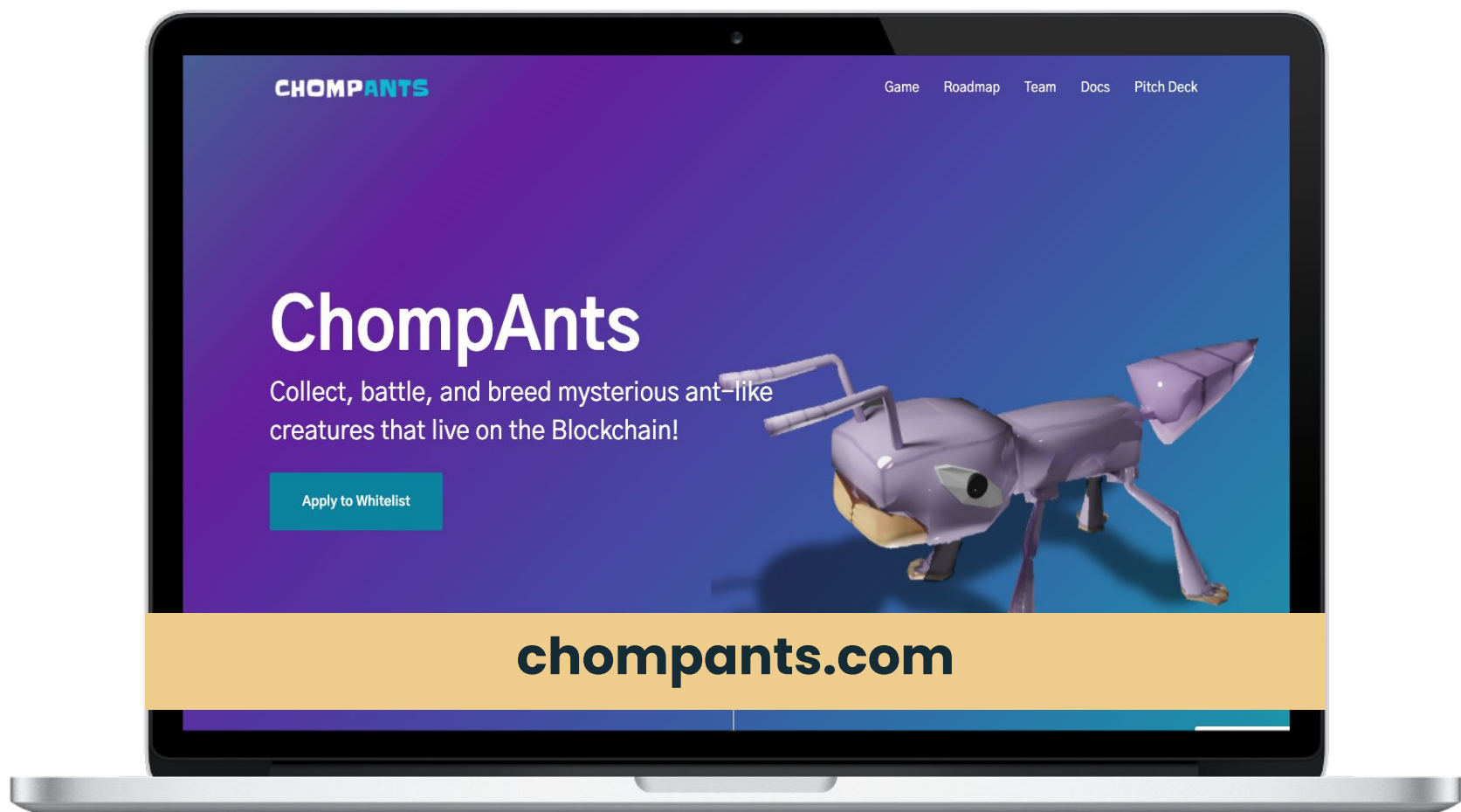
SpyWolf

Social Media & Online Presence

Telegram

https://t.me/chompants

_____

- 142 members
- No active users ⚠️
- Active mods

## Twitter

https://twitter.com/chompants

_____

- 56 Followers
- Active, post once every few days

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork
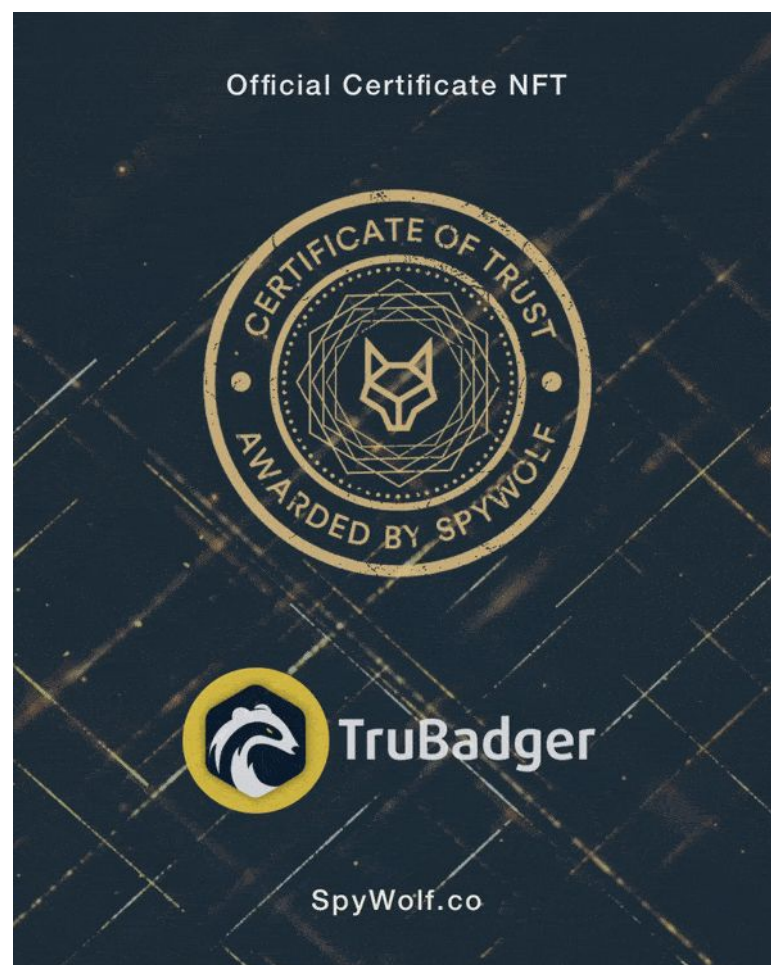
(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

SpyWolf

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.